



THE CITY OF SAN DIEGO

M E M O R A N D U M

DATE: September 6, 2012

TO: Distribution

FROM: James Nagelvoort, P.E., City Engineer

SUBJECT: Adoption of New Water Design Guidelines and Standards

The City of San Diego, Public Utilities Department has adopted updates to the Water Design Guidelines and Standards, Book 2, Chapter 3 - Transmission and Distribution Pipelines. These updates can be obtained or viewed at the City website:

<http://www.sandiego.gov/water/cip/pdf/book2.pdf>

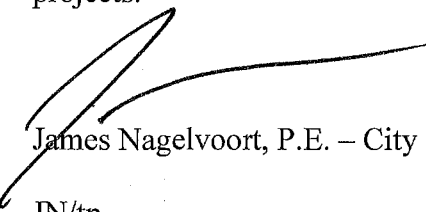
Below is a summary of the revisions:

- **TRANSMISSION MAINS:** The definition of transmission water mains has been expanded to include all mains **16-inches in diameter and larger**. (See Section 3.3.1 D - Transmission Mains, page 3-3)
- **VALVE REQUIREMENTS:** Tees and crosses are to be valved on all sides for all water mains **within business districts**. (See Section 3.5.1 - Valves, page 3-7)
- **BYPASS PIPING:** All 16-inch and larger butterfly valves must have a **bypass**. (See Section 3.5.1 B - Butterfly Valves, page 3-8)
- **FIRE HYDRANT SPACING:**
 - No more than **450 feet** apart in single-family residential areas.
 - No more than **350 feet** apart in multi-family residential and commercial areas.
 - No more than **250 feet** apart in industrial areas.(See Section 3.5.2 D - Fire Hydrants, pages 3-11 and 3-12)

- **MINIMUM COVER OVER PIPE:** Water mains located in high or heavy-load traffic areas, and all transmission water mains, shall have a minimum **5 feet of cover** over the top of the pipe. (See Section 3.8.3 - Cover, page 3-28)

These updates will be effective November 1, 2012 for development projects. For City projects, updates shall be incorporated in the projects' design effective immediately.

Should you have any questions, please contact Senior Engineer Leonard Wilson at (858) 654-4112 for development projects and Senior Engineer Tung Phung at (858) 292-6425 for City projects.



James Nagelvoort, P.E. – City Engineer

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